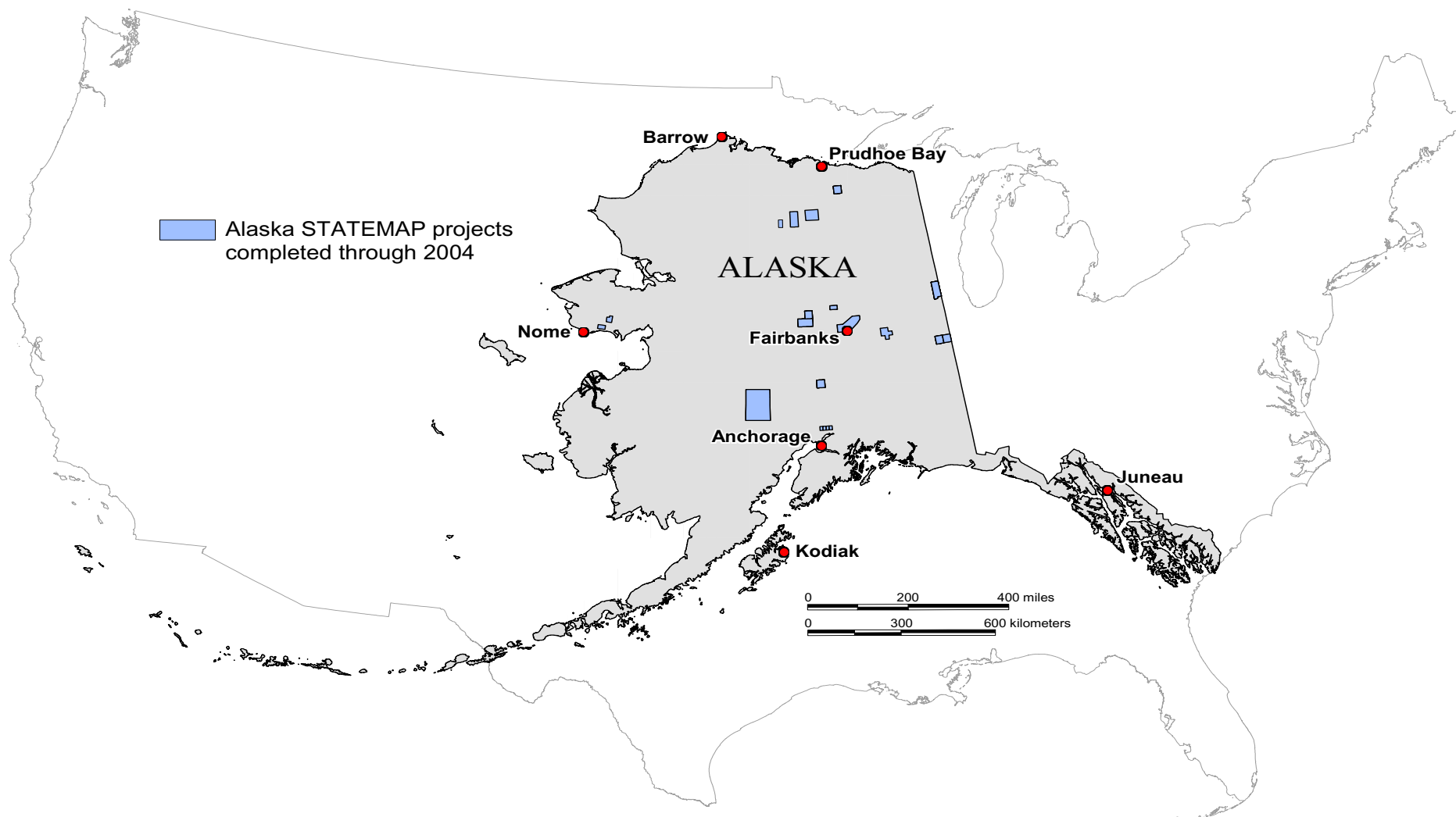


National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping



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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN ALASKA

| Federal Fiscal Year | Project | State funds | Federal funds | Total |
|------------------------------------|--|------------------------|--------------------------|--------------------|
| 1993 | Castle Mountain Fault System, northern halves of Anchorage C-7 and C-8 Quadrangles | 59,570 | 51,993 | 111,563 |
| 1994 | Charley River C-1 and D-1 Access Corridor | 50,779 | 50,000 | 100,779 |
| 1995 | Fairbanks Urban Area & Mining District | 31,379 | 30,000 | 61,379 |
| 1996 | Rampart Mining District, Tanana B-1 Quadrangle | 106,041 | 98,817 | 204,858 |
| 1996 | Digital Compilation of eastern half McGrath Quadrangle | 40,158 | 39,865 | 80,023 |
| 1997 | Rampart Mining District, Tanana A-1 and A-2 Quadrangles | 120,564 | 118,400 | 238,964 |
| 1998 | Upper Chulitna Mining District, Healy A-6 Quadrangle | 122,322 | 121,500 | 243,822 |
| 1999 | Sagavanirktok B-1 Quadrangle | 276,220 | 125,000 | 401,220 |
| 2000 | Fortymile Mining District, Eagle A-2 Quadrangle | 140,413 | 130,000 | 270,413 |
| 2001 | Philip Smith C-5 Quadrangle with portions of surrounding quadrangles | 150,636 | 149,640 | 300,276 |
| 2001 | Fortymile Mining District, Eagle A-1 Quadrangle | 106,571 | 106,403 | 212,974 |
| 2001 | Enter DGGs maps into NGMDB | 7,567 | 8,731 | 16,298 |
| 2002 | Salcha River-Pogo: Circle C-3, SW 1/4 C-2, NW 1/4 B-3 quads | 252,917 | 252,903 | 505,820 |
| 2003 | Kanayut River: Chandler Lake B-2 and C-2 Quadrangles | 155,569 | 150,844 | 306,413 |
| 2003 | Livengood SE C-4, SW C-3 | 90,915 | 85,069 | 175,984 |
| 2004 | Council mining areas, Solomon Quadrangle | 145,276 | 145,258 | 290,534 |
| 2004 | Tiglukpuk Creek: Eastern Chandler Lake B-4 Quadrangle | 107,666 | 107,588 | 215,254 |
| TOTALS | | \$1,956,996 | \$1,763,264 | \$3,720,260 |

Alaska STATEMAP fact sheet (FY2005)

Because the STATEMAP program allows each state to establish its own program funding priorities, and requires oversight by a broad-based in-state citizen advisory board, Alaska STATEMAP projects are focused on high-priority state needs that are generally oriented toward economic development. Since 1993, the National Cooperative Geologic Mapping Program through STATEMAP has made a significant contribution to expanding the geologic knowledge of areas in Alaska that encompass current or potential economic-development projects. Still, less than 10 percent of Alaska land has been geologically mapped at a scale of 1 inch = 1 mile or better, the scale generally considered as the minimum needed to support resource exploration and land-use planning. The STATEMAP program is helping to expand coverage of detailed geologic maps where they are most needed for future resource-exploration and construction projects. Through 2004, the Alaska Division of Geological & Geophysical Surveys (ADGGS) has completed new geologic mapping for 5,064 square miles of Alaska as part of this program.

STATEMAP projects conducted by ADGGS have mapped portions of strategic commercial access corridors, mining districts, and frontier oil and gas provinces. An updated geologic map of the Fairbanks urban area and mining district was completed in the same year that more than 100 square miles of new state mining claims were staked in

the district and has been used ever since to guide ongoing mineral exploration. STATEMAP projects have contributed to increased oil and gas lease sales on the North Slope, mineral exploration in the Rampart, Chulitna, and Pogo mining districts of east-central Alaska, and have helped Alaska Native corporations evaluate the mineral resources of their lands. In FY2005, ADGGS will use STATEMAP funds to extend geologic mapping for North Slope oil and gas exploration westward along the Brooks Range foothills and to map an area totaling 130 square miles in the Bonfield mining district south of Fairbanks.

Users of recent ADGGS STATEMAP products attest to their usefulness in addressing particular needs: "The recent ADGGS STATEMAPS are crucial to field work planning by ConocoPhillips in that the accurate and detailed geologic maps enable efficient planning of our field schedule and stops. We are then able to concentrate our efforts on specific stratigraphic and other geologic investigations. In addition, the quality maps by the ADGGS are ideal for incorporation into regional geologic models used in oil and gas exploration." – *ConocoPhillips Alaska, Inc.* "[The STATEMAP publications] ...provided a very valuable geological and geochemical frame of reference for our ongoing evaluation of mineralization in the Livengood district. From a mineral industry perspective, this is exactly the type of program the ADGGS needs to continue."
– *Consulting Geologist.* March 2005